

SEQUENCE LISTING

<110> Zhou, Qun-Yong  
Ehlert, Frederick

<120> Prokineticin Polypeptides, Related  
Compositions and Methods

<130> P-UC 5016

<150> 60/245,882

<151> 2000-11-03

<160> 19

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<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (55)...(369)

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aga ggt gcc acg cga gtc tca atc atg ctc ctc cta gta act gtg tct      105
Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val Ser
      5                      10                      15

gac tgt gct gtg atc aca ggg gcc tgt gag cgg gat gtc cag tgt ggg      153
Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly
      20                      25                      30

gca ggc acc tgc tgt gcc atc agc ctg tgg ctt cga ggg ctg cgg atg      201
Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met
      35                      40                      45

tgc acc ccg ctg ggg cgg gaa ggc gag gag tgc cac ccc ggc agc cac      249
Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His
      50                      55                      60                      65

aag gtc ccc ttc ttc agg aaa cgc aag cac cac acc tgt cct tgc ttg      297
Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu
      70                      75                      80

ccc aac ctg ctg tgc tcc agg ttc ccg gac ggc agg tac cgc tgc tcc      345
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Downloaded from www.tandem.co.uk

<400> 3

Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly Ala Gly  
 1 5 10 15  
 Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr  
 20 25 30  
 Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val  
 35 40 45  
 Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn  
 50 55 60  
 Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp  
 65 70 75 80  
 Leu Lys Asn Ile Asn Phe  
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<210> 4  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> CDS  
 <222> (10)...(333)

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 Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu  
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 ctg ccg ccg ctg ctg ctc acg ccc cgc gct ggg gac gcc gcc gtg atc 99  
 Leu Pro Pro Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile  
 15 20 25 30  
 acc ggg gct tgt gac aag gac tcc caa tgt ggt gga ggc atg tgc tgt 147  
 Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys  
 35 40 45  
 gct gtc agt atc tgg gtc aag agc ata agg att tgc aca cct atg ggc 195  
 Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly  
 50 55 60  
 aaa ctg gga gac agc tgc cat cca ctg act cgt aaa gtt cca ttt ttt 243  
 Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe  
 65 70 75  
 ggg cgg agg atg cat cac act tgc cca tgt ctg cca ggc ttg gcc tgt 291  
 Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys  
 80 85 90  
 tta cgg act tca ttt aac cga ttt att tgt tta gcc caa aag 333  
 Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys  
 95 100 105  
 taatcgctct ggagtagaaa ccaaatgtga atagccacat cttacctgta aagtcttact 393

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<212> PRT
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<400> 6
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      20                    25                    30
Pro Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val
      35                    40                    45
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly

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<210> 7
<211> 21
<212> PRT
<213> Homo sapiens
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<212> PRT
<213> Homo sapiens
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<211> 19
<212> PRT
<213> Homo sapiens
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<210> 10
<211> 26
<212> PRT
<213> Homo sapiens
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<400> 10
Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu Leu Pro
  1              5              10              15
Leu Leu Leu Thr Pro Pro Ala Gly Asp Ala
      20              25

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<400> 13  
Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly Ala Gly  
1 5 10 15

Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr  
 20 25 30  
 Pro Leu Gly Arg Glu Gly Glu Cys His Pro Gly Ser His Lys Val  
 35 40 45  
 Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly  
 50 55 60  
 Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln  
 65 70 75 80  
 Lys

<210> 14  
 <211> 86  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic construct

<400> 14  
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 20 25 30  
 Pro Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val  
 35 40 45  
 Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn  
 50 55 60  
 Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp  
 65 70 75 80  
 Leu Lys Asn Ile Asn Phe  
 85

<210> 15  
 <211> 89  
 <212> PRT  
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<220>  
 <223> synthetic construct

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 Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg  
 20 25 30  
 Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser  
 35 40 45  
 His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys  
 50 55 60  
 Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys

65                                70                                75                                80  
Ser Met Asp Leu Lys Asn Ile Asn Phe  
85

<210> 16  
<211> 85  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic construct

<400> 16  
Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly Ala Gly Thr  
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Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr Pro  
20                                25                                30  
Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val Pro  
35                                40                                45  
Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn Leu  
50                                55                                60  
Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu  
65                                70                                75                                80  
Lys Asn Ile Asn Phe  
85

<210> 17  
<211> 86  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic construct

<400> 17  
Ala Ala Ala Ala Ala Ala Cys Glu Arg Asp Val Gln Cys Gly Ala Gly  
1                                5                                10                                15  
Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr  
20                                25                                30  
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val  
35                                40                                45  
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn  
50                                55                                60  
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp  
65                                70                                75                                80  
Leu Lys Asn Ile Asn Phe  
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<210> 18  
<211> 87

<212> PRT

<213> Artificial Sequence

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<223> synthetic construct

<400> 18

Met Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly Ala  
1 5 10 15  
Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys  
20 25 30  
Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys  
35 40 45  
Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro  
50 55 60  
Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met  
65 70 75 80  
Asp Leu Lys Asn Ile Asn Phe  
85

<210> 19

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 19

Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly  
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